

10/523451
DT01 Rec'd PCT/PTC 28 JAN 2005

01-1748-03-Če

PCT/CZ2003/000045

03.05.2004

Amended
C L A I M S

1. Travelling device (20) particularly for self-propelled mower, said travelling device (20) comprises a frame (1), wherein a motor unit (3) with a driving shaft (13) is arranged on said frame (1) for driving a working device and said travelling wheels (2), and said frame (1) is provided with several identical travelling units (21) arranged on its external circumference, each travelling unit (21) comprises a flexibly suspended travelling wheel (2) rotating on its horizontal and vertical axes, said travelling wheels (2) are arranged in said travelling units (21) turnably on vertical axis in an unlimited angular range of 360°, wherein each travelling unit (21) further comprises a transmission disc (6) for travelling wheel (2) drive connected with said travelling wheel (2) by means of a transmission device (14), and a transmission disc (7) for travelling wheel (2) turning, wherein all transmission discs (6) for travelling wheel (2) drive are connected with a moving off device (8), arranged on said driving shaft (13), by means of transmission members (9) for travelling wheel (2) drive, and all transmission discs (7) for travelling wheel (2) turning are girded by a transmission member (12) for travelling wheels (2) turning guided over a driving roller (11).

Printed 11-05-2004

CLMSPAMD

EP03783909.9 - PCTCZ 03 00045

15
- 16 -

2. Travelling device (20) according to claim 1, wherein each transmission disc (6) for travelling wheel (2) drive is positioned horizontally and is turnable on its vertical axis.

3. Travelling device (20) according to claim 1, wherein each transmission disc (7) for travelling wheel (2) turning is positioned horizontally and is turnable on its vertical axis.

4. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (9) for travelling wheel (2) drive comprises an endless flexible member.

5. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises an endless flexible member.

6. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises gears.

7. Travelling device (20) according to any of claims 1 to 3, wherein said transmission member (12) for travelling wheel (2) turning comprises Cardan shafts.

8. Travelling device (20) according to any of claims 1 to 7, wherein auxiliary guide rollers (11a) for guiding transmission member (12) for travelling wheels (2) turning are further arranged on said frame (1).

9. Travelling device (20) according to any of claims 1 to 8, wherein a control unit (22) interconnected with driving servomotor (15) and steering servomotor (10) for travelling wheels (2) turning is further arranged on said frame (1).

10. Travelling device (20) according to claim 9, wherein said control unit (22) is remote-controlled.

11. Travelling device (20) according to claim 10, wherein said control unit (22) is remote-controlled by means of transmitter (23) for transmitting radio signals or optical signals.

12. Travelling device (20) according to any of claims 1 to 9, wherein a seat and a control panel are arranged on said frame (1).

13. Travelling device (20) according to any of claims 1 to 12, wherein said travelling units (21) are particularly four.